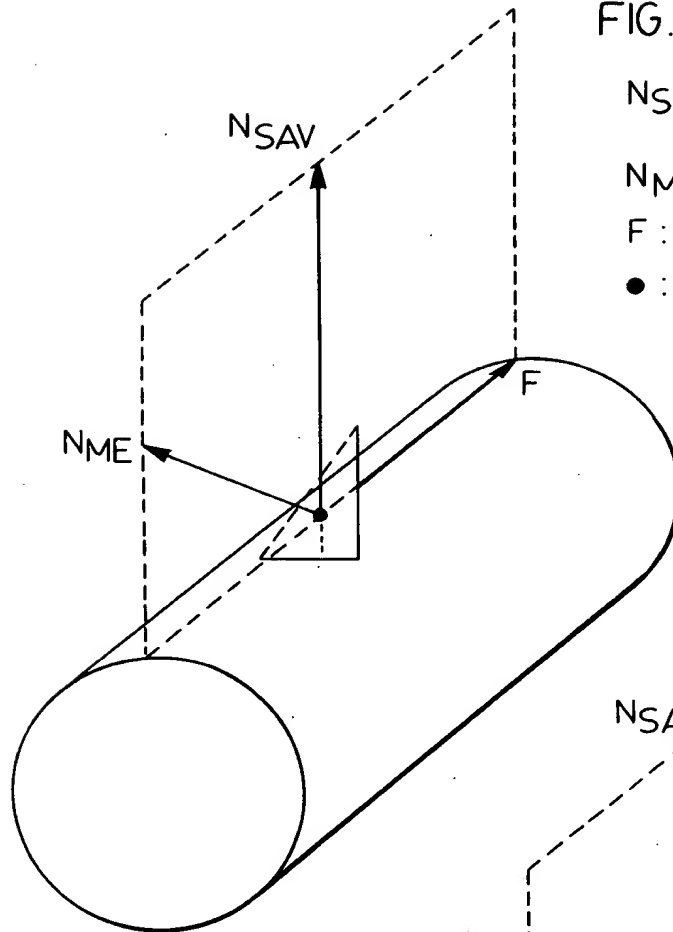


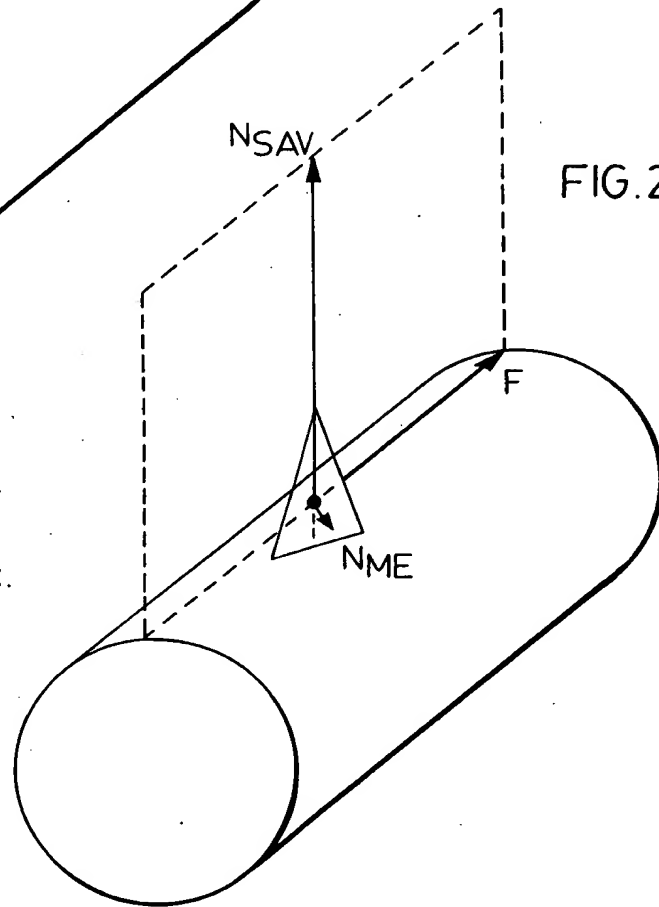
#4
30 5 10
JAN 30 1971

FIG.1. (PRIOR ART)



- NSAV : Normal to Surface Adjacent to a Vortex.
- NME : Normal to Mixing Element.
- F : Direction of fluid flow.
- : Centroid of mixing element.

FIG.2.



- NSAV : Normal to Surface Adjacent to a Vortex.
- N_{MDS} : Normal to Mixing Device Surface.
- F : Direction of fluid flow
- : Centroid of mixing device

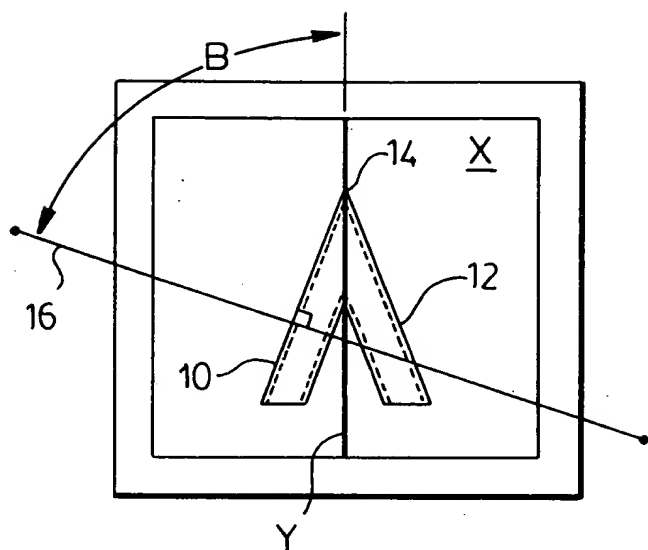


FIG. 3B.

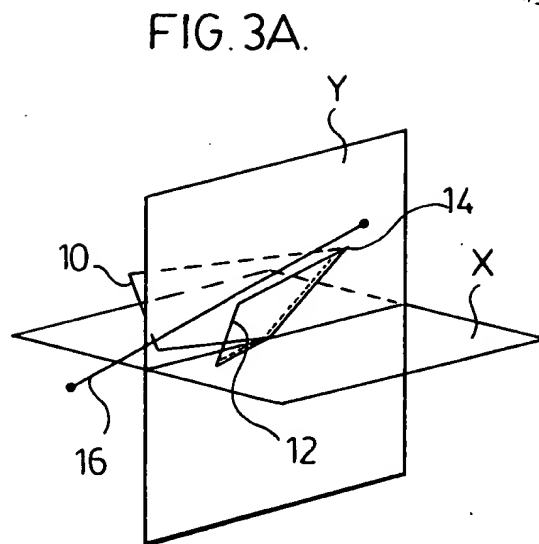


FIG. 3A.

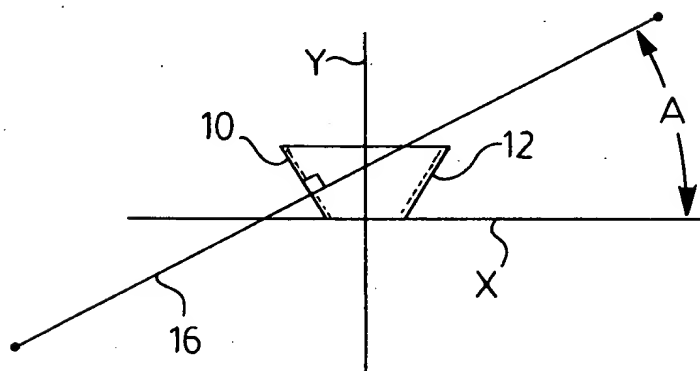


FIG. 3C.

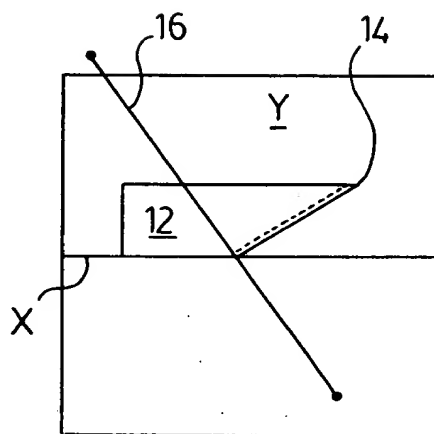


FIG. 3D.

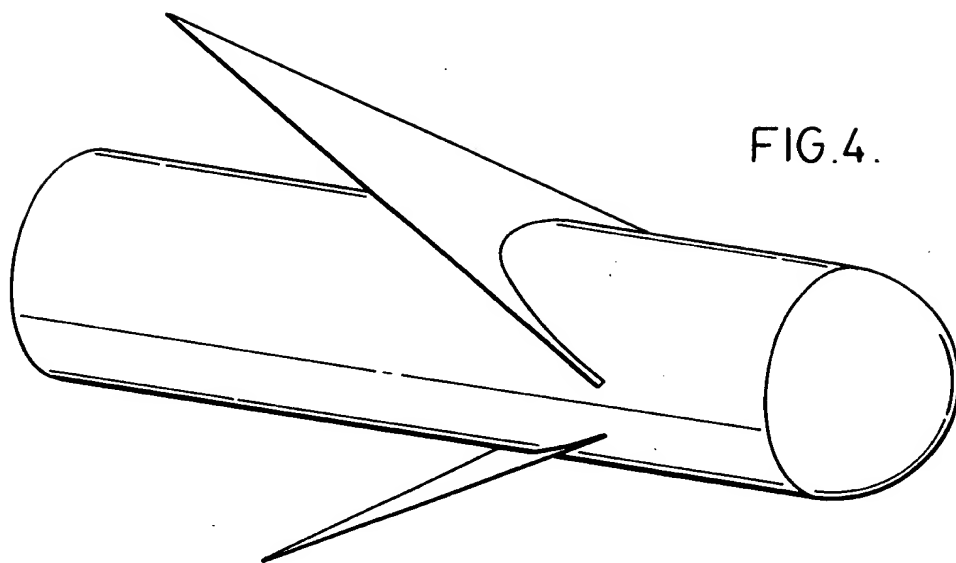


FIG. 4.

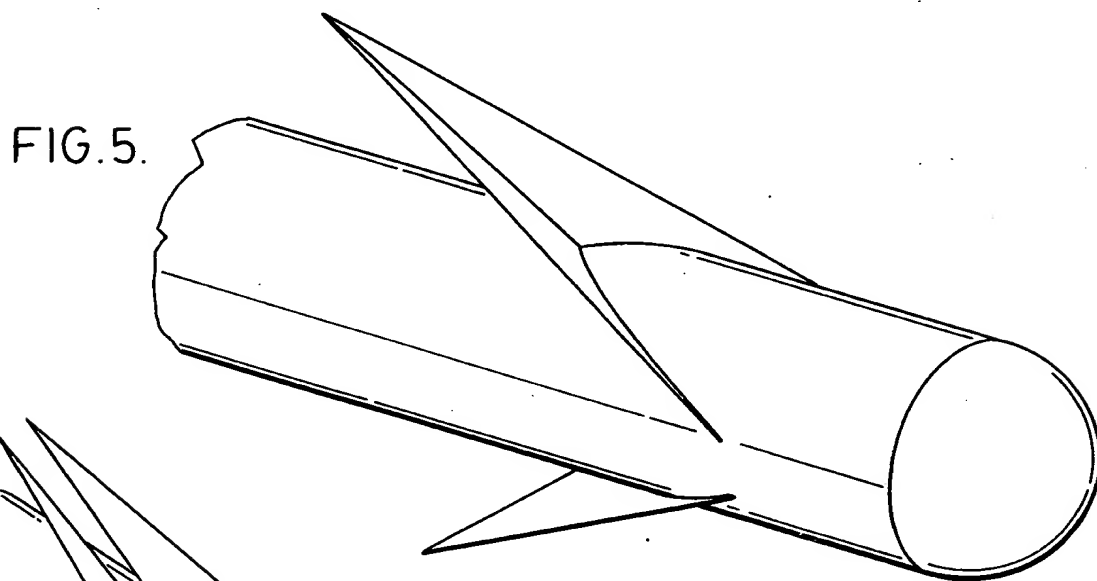


FIG. 5.

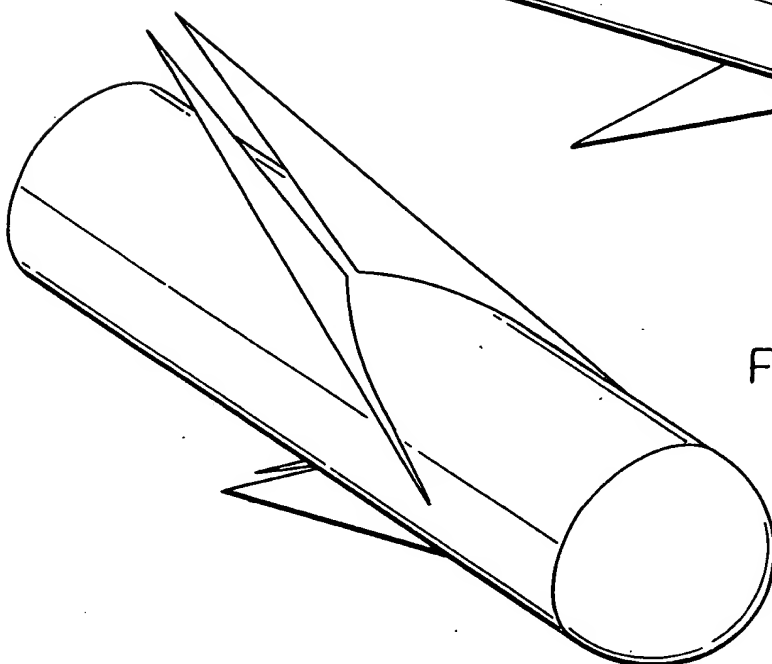


FIG. 6.

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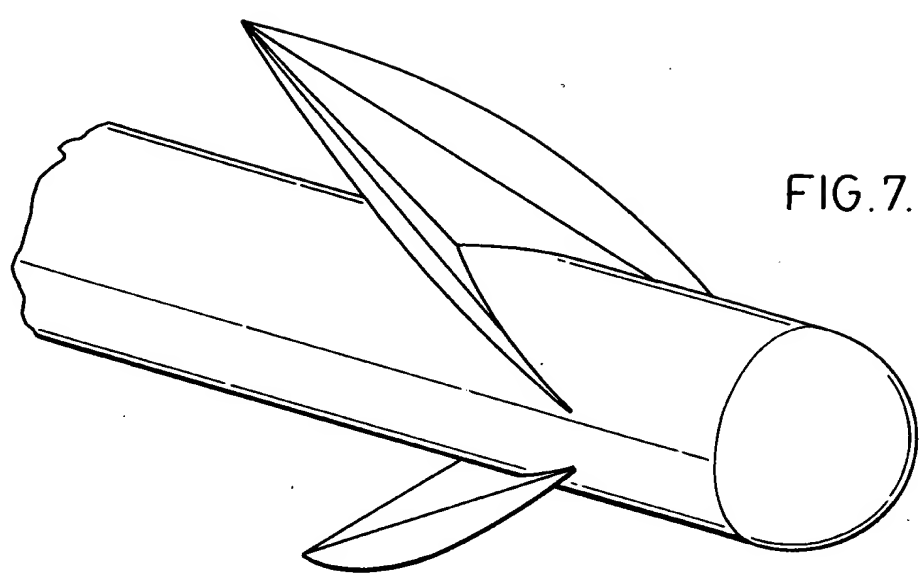


FIG. 7.

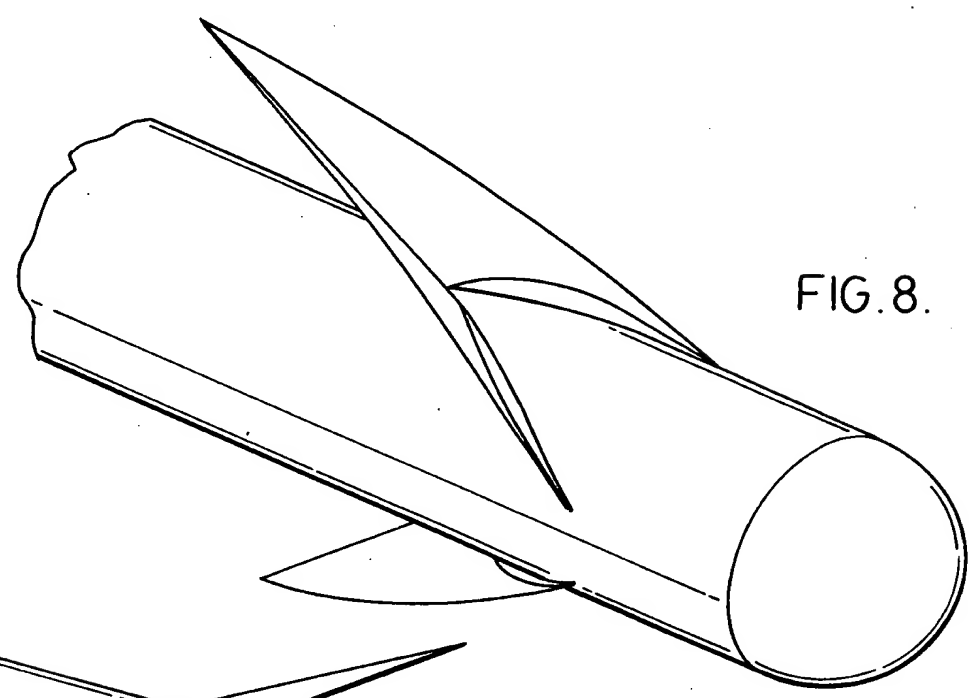


FIG. 8.

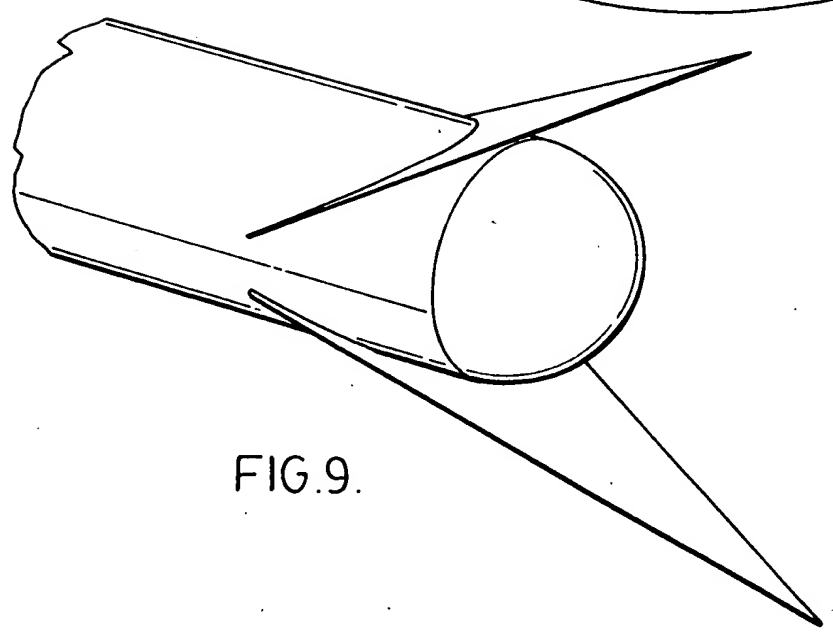


FIG. 9.

FIG.10.

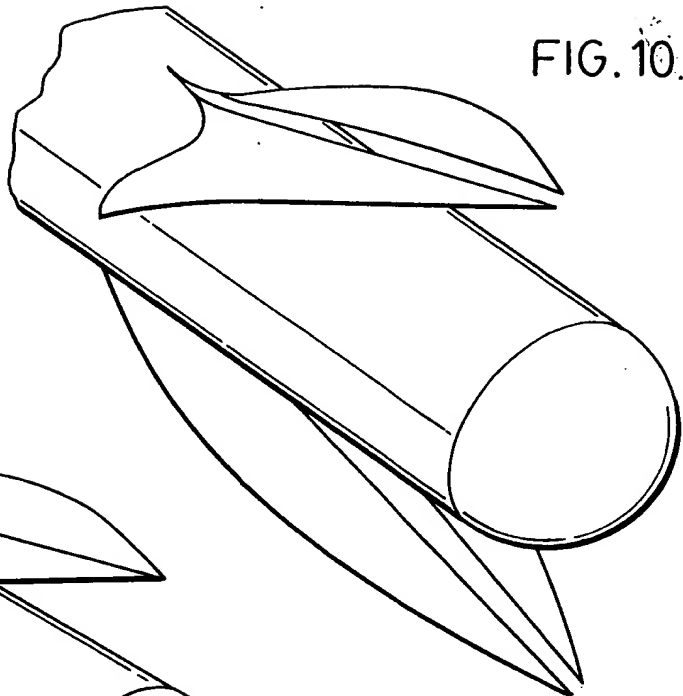


FIG.11.

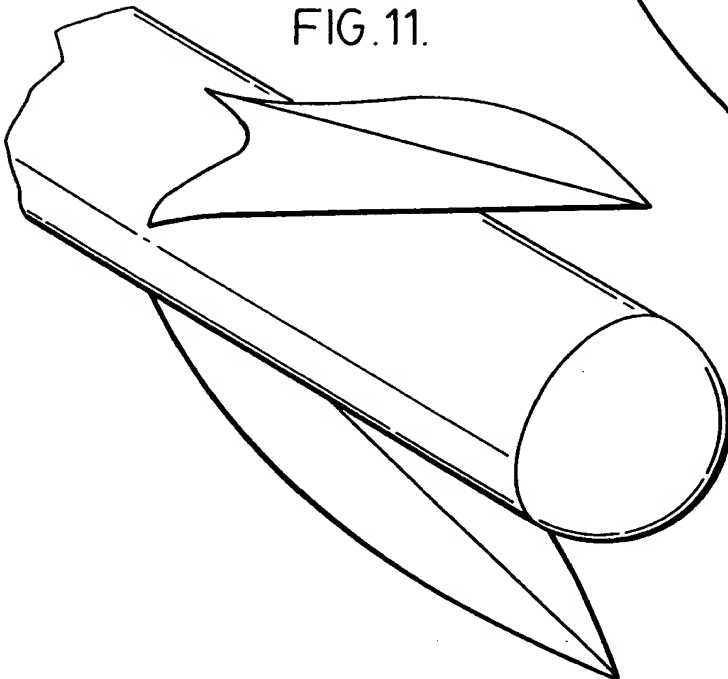
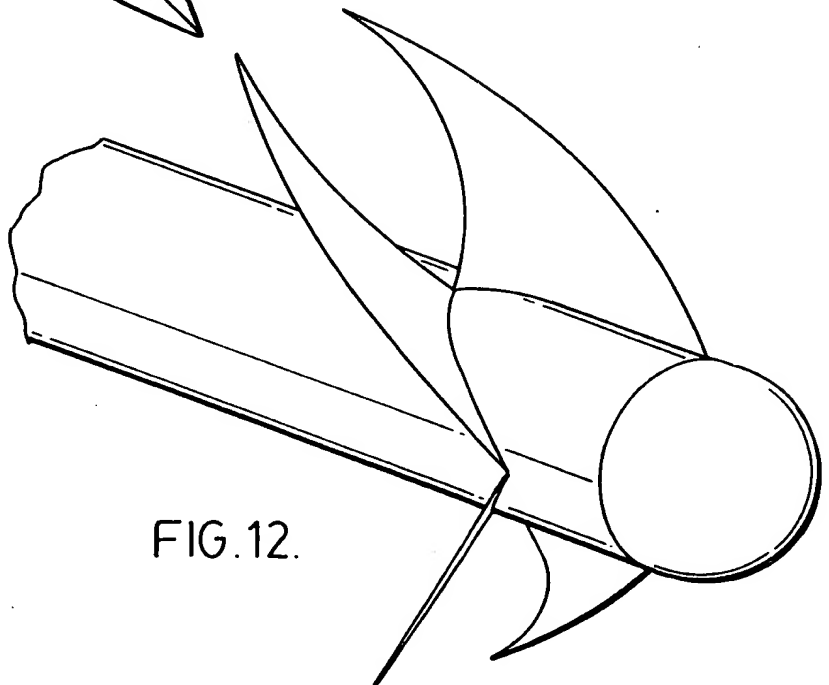


FIG.12.



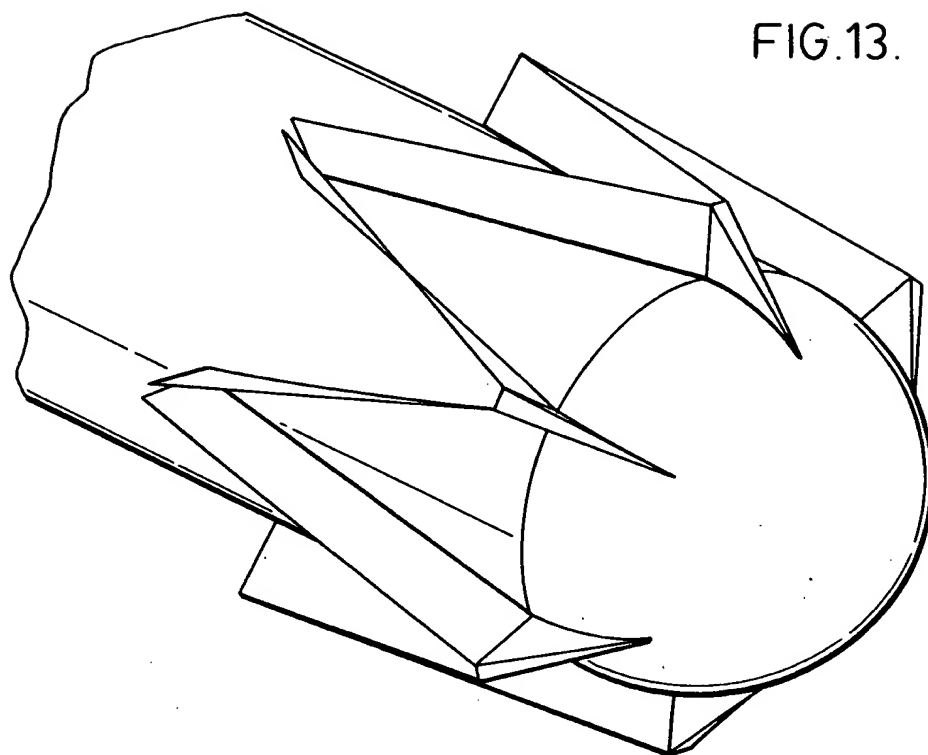


FIG. 13.

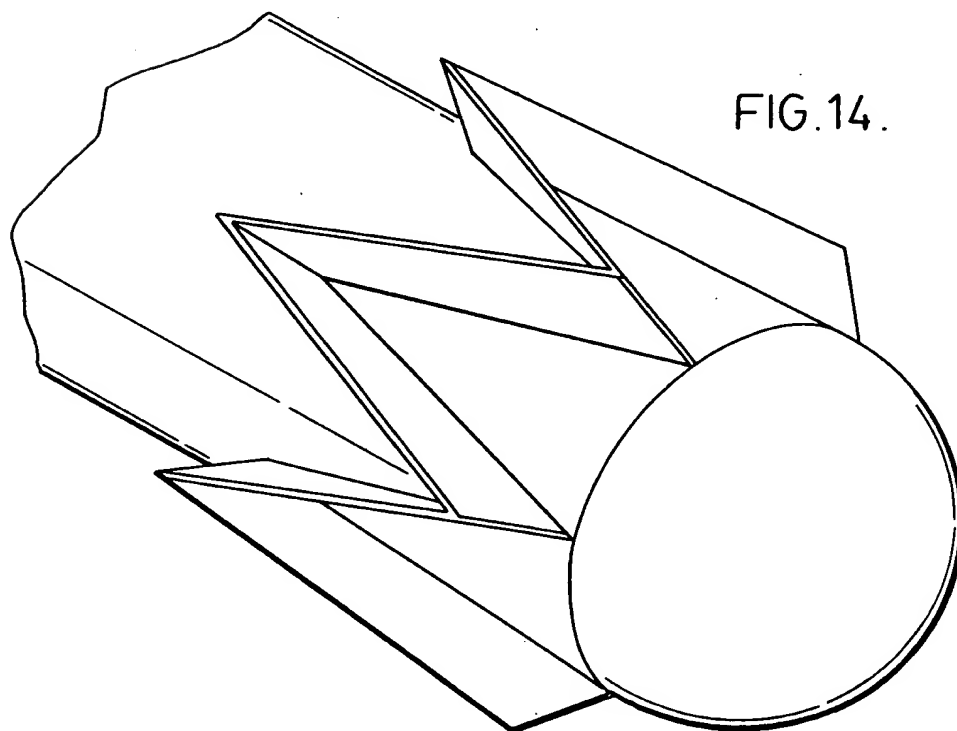


FIG. 14.

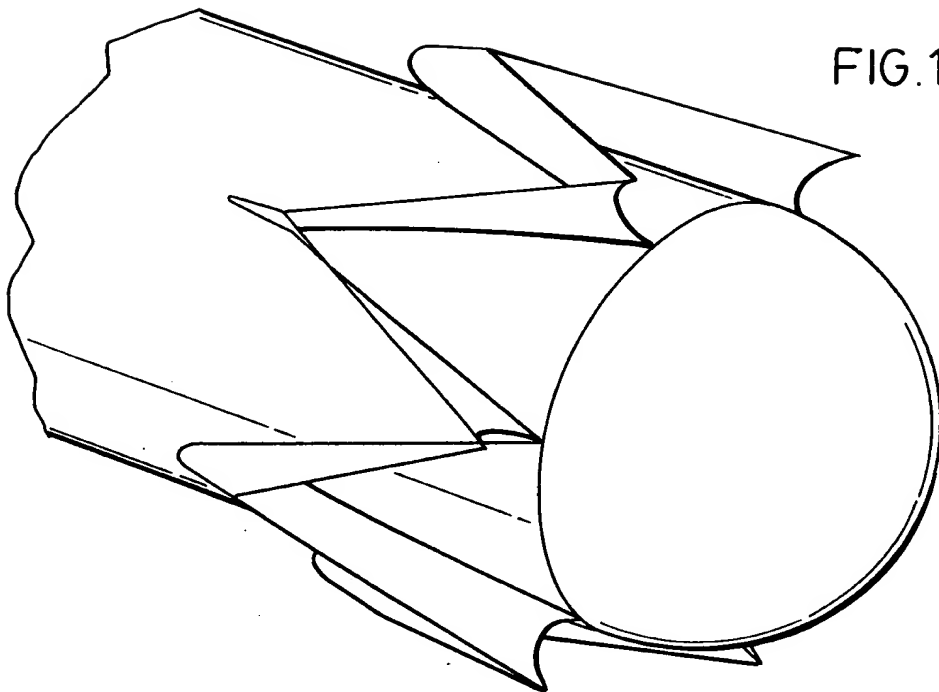


FIG. 15.

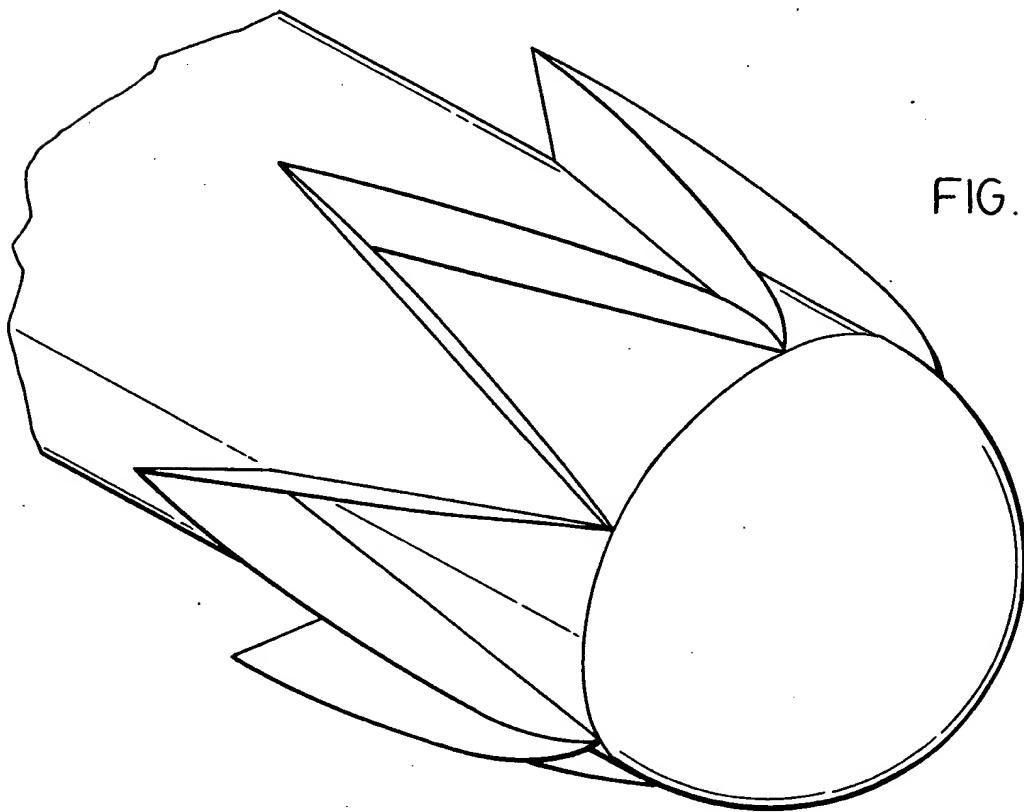


FIG. 16.

FIG.17.

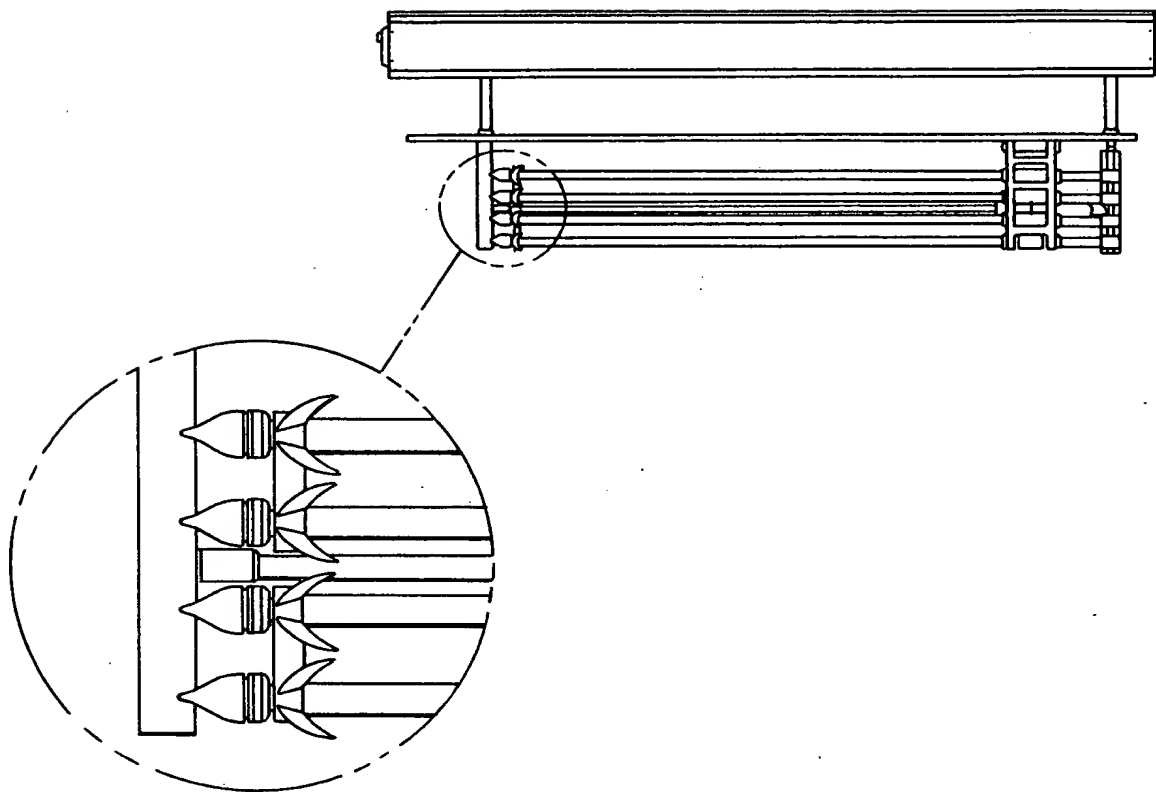


FIG.18A.

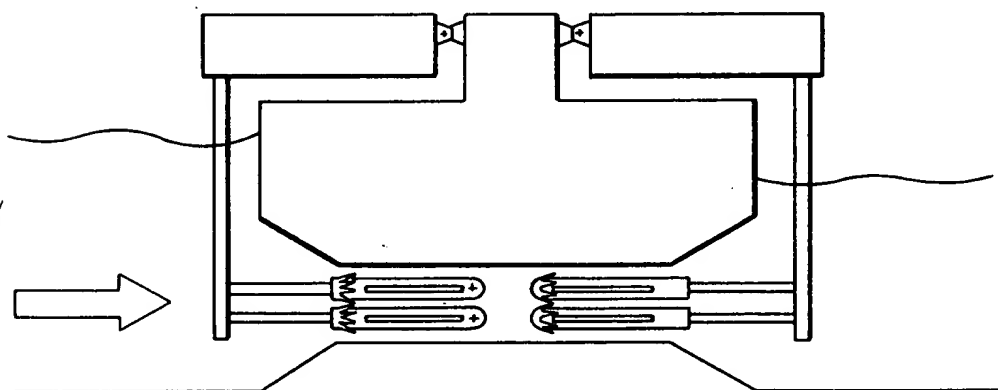


FIG.18B.

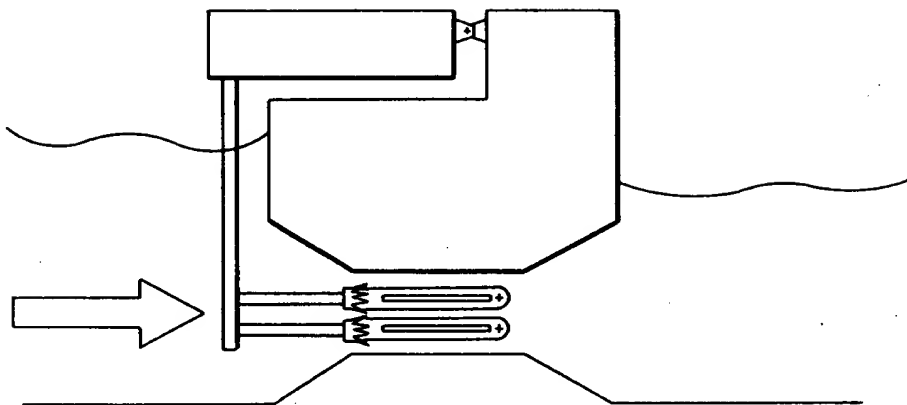


FIG.18C.

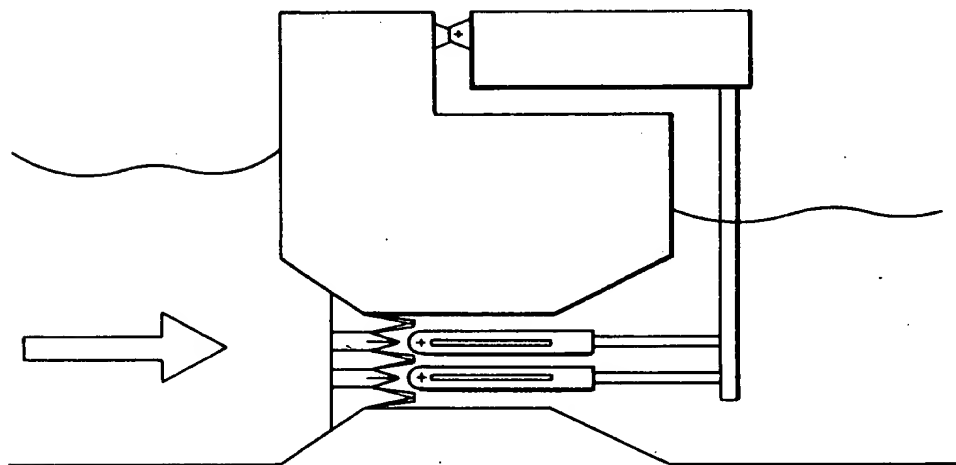


FIG. 19.

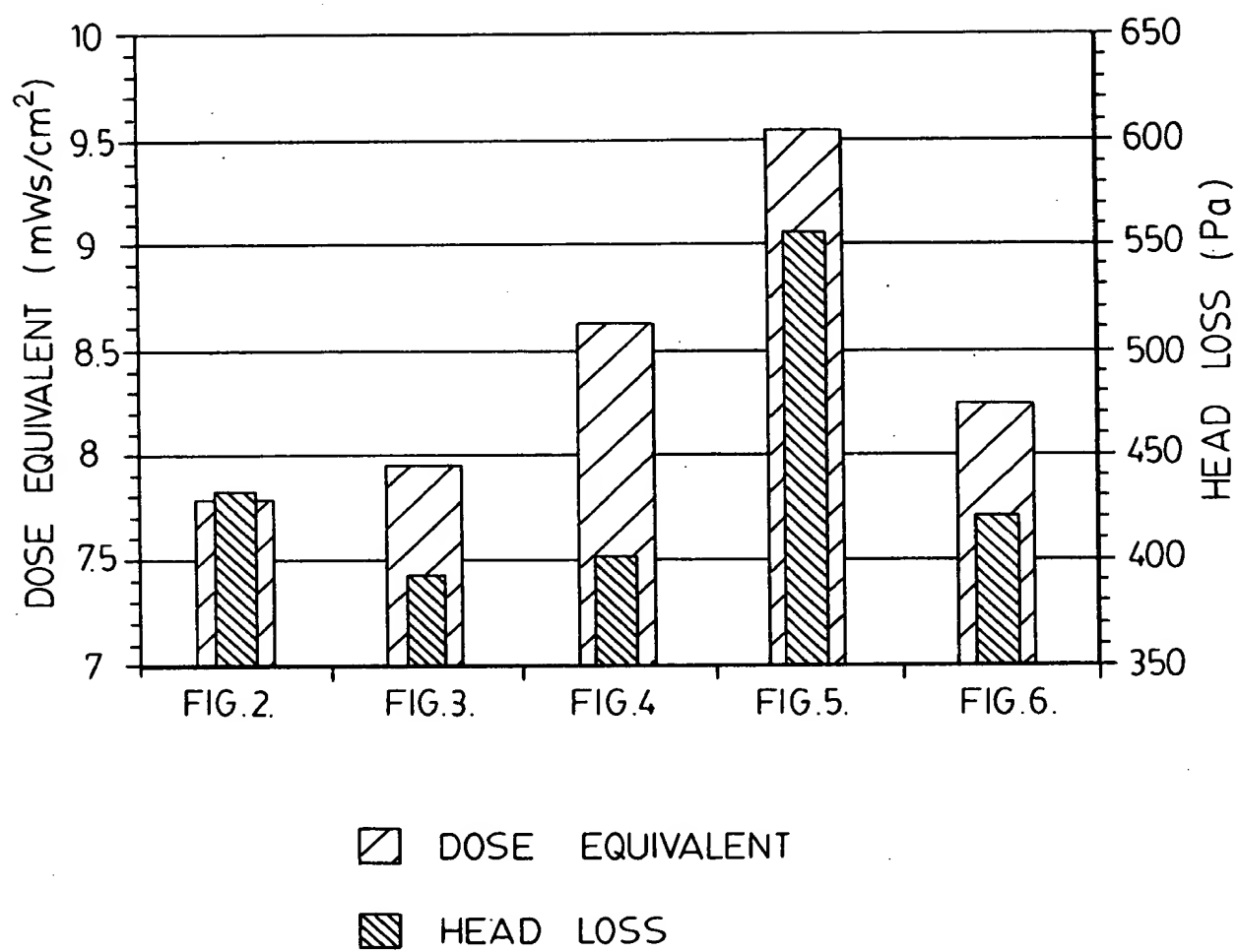


FIG. 20.

